2634

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
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)
Serial No. 9/500366)
)
Filed: February 8, 2000) Group Art Unit 2634
)
For: **8-PSK Transmit Filtering Using**)
      Reduced Look Up Tables)
)
Attorney Docket No. 4015-359)

Raleigh, North Carolina
June 20, 2002

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In the Specification

The paragraph beginning at the bottom of page 6 on line 21 should be amended as follows:

Using the rotated signal constellation, the real or I waveform points become expressible

as linear functions of two bits B2, B2' and the imaginary or Q waveform points become

expressible as linear functions of B1, B1'. Denoting the filtering operation by a function F, then

the following relationship exists between the I and Q waveforms and the binary values B1, B1',

B2, and B2':

In the Claims

Please amend claim 21 as follows:

21.   (Amended) A method for generating a modulation waveform for transmitting octal

symbols, the modulation waveform comprising a real part and an imaginary part comprising:

1